CHECKLIST #0400 FOR THE APPROVAL OF: ANCHORS

- ❑ Basic Requirements Checklist.

- ❑ One set of the manufacturer's 'approval document' including:
  a) Details of each model including dimensions and material specifications,
  b) Tension and shear capacity of each anchor for different strengths of concrete and masonry blocks,
  c) Edge distance and spacing between anchors must be investigated and reported,
  e) A graph showing a curve originated by tension vs. slippage, and
  f) Relationship between resistance & temperature for chemical anchors.

- ❑ One set of manufacturer's design drawings marked and verified by the testing laboratory.

- ❑ Manufacturer's brochure with specifications and application instructions.

The following current laboratory tests and test reports in compliance with protocol TAS 301.

- ❑ Test each model following the guidelines indicated in ASTM E-488 to determine the tension and shear capacity of the anchor. A minimum of five specimens of each model shall be tested to the ultimate load. If any test varies by more than 20% from the average, five additional tests shall be made. Ultimate load shall be the average of the first 5 samples; if each specimen falls within plus or minus 20 % of the average or the average of 8 samples after eliminating the highest and the lowest specimen.

- ❑ Compressive strength test of concrete & grout used on previous test per ASTM C-39. Minimum compressive strength of concrete & grout shall be 2000 psi. Concrete and grout shall be tested the date the anchor test starts.

- ❑ Test each model for corrosion resistance in compliance with ASTM G 85, Annex 5, 140 cycles as detailed in TAS 114, Appendix E.

Notes:
1. Approval of anchors to be used in clusters will require specific load testing for this use.
2. Anchors tested on concrete block shall record the embedment on the face wall and on the grout. Concrete block grout shall have a maximum strength of 2000 psi.